

NWS CHANGE FORM PART A			1. DATE SUBMITTED 12 May 2000 18 May 2000	
00This form is in three parts. Submitters must complete unshaded blocks in Part A and as much of Part B as possible. WSH will complete Part C (implementation details). If there is no specific required change date, enter 60 days from date submitted. Address questions to NWS Change Management at (301) 713-1373. Submit change requests to the NWSRC mailbox (External: NWSRC@noaa.gov).				
2. ORIGINATOR OFFICE APO	3. SUBMITTING AUTHORITY Name: Ward Seguin Routing Code: W/APO1	4. COGNIZANT TECHNICAL INDIVIDUAL Name: Chuck Piercy/ Bruno Vercillo Routing Code: APO1/PRC Phone: (301)713-1570x124/(703) 883-5175	5. ORIGINATOR TRACKING NUMBER PRC_A100064	
6. SYSTEMS AFFECTED BY CHANGE <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div> <input type="checkbox"/> ASOS <input checked="" type="checkbox"/> AWIPS <input type="checkbox"/> CRS <input type="checkbox"/> NEXRAD <input type="checkbox"/> OTHER (specify) _____ </div> <div> <input type="checkbox"/> DATA PRODUCTS (Complete Data Products Supplement) </div> </div>			7. WSH TRACKING NUMBER NWS 590 5/19/2000	
8. TITLE OF CHANGE Change measureware parm file to turn off the collection of process data (SW Patch)				
9. TYPE OF CHANGE <input type="checkbox"/> HARDWARE <input checked="" type="checkbox"/> SOFTWARE <input type="checkbox"/> DOCUMENTATION ONLY		10. SITES AFFECTED (Attach Part B, Page 2, if needed) (DSs and ASs at) all sites		
11. STATEMENT OF REQUIREMENT, PROBLEM, OR DEFICIENCY OF EXISTING SYSTEM (Include problem report reference numbers.) The logproc file in /var/opt/perf/datafiles is getting too large and is unable to roll over when there is not enough room in /var. This corrupts the logproc file, which then crashes the scopeux process. The scopeux process is the process that collects all of the measureware data. When this crashes, the data is no longer collected until the logproc file is deleted and measureware is restarted. This prevents the collection of performance data for the CPU graphs that are created weekly and also used in the monthly PARs.				
12. KNOWN OR PROPOSED SOLUTION (Include source and description of new features or data products.) The solution is to turn off the collection of the process data, which will in turn keep the logproc file from growing. The data are not used on a regular basis and if needed the collection can be turned back on. The measureware parm file in /var/opt/perf will be modified to tell measureware to NOT collect process data. As part of the install, the measureware processes will be restarted (mwa restart) so that they read the new parm file. Installation script /var/opt/perf/parm attached. (Note: This function will be incorporated in R4.3.3)				
13. ALTERNATE SOLUTIONS An alternate solution would be to create an ITO template or cron job that zeros out the logproc file periodically.				
14. REQUIRED CHANGE DATE ASAP	15. RATIONALE FOR REQUIRED CHANGE DATE (Include proposed priority, if known.) To continue creation of CPU graphs.			
CCB/PMC/CMB DECISION				
16. DECISION AUTHORITY LEVEL	<input type="checkbox"/> CCB LEVEL ONLY <input checked="" type="checkbox"/> FAST TRACK <input type="checkbox"/> PMC or NWS CMB DECISION REQUIRED			
17. CCB LEVEL DECISION	<input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> RECOMMEND APPROVAL <input type="checkbox"/> DISAPPROVED		SIGNATURE	
			DATE SIGNED	
FOR USE ONLY WHEN PMC or NWS CMB DECISION REQUIRED				
18. PMC OR NWS CMB DECISION	<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED		SIGNATURE	
			DATE SIGNED	

NWS CHANGE FORM PART B		1. ORIGINATOR TRACKING NUMBER PRC_A100064	
All RC/ECP submissions must also address the following information. Indicate if any areas are unknown or do not apply. State why information is unknown and when it will be available. Attach extra pages if necessary, referencing each applicable subject.		2. WSH TRACKING NUMBER NWS 590	
FUNDING INFORMATION			
Estimate costs and indicate known sources of funding. (Include travel time, installation time, administrative time, and software development time when applicable.)		3. SOURCE OF FUNDING	4. TOTAL COST \$
5. DEVELOPMENT COSTS (Estimate development costs) No additional cost. See item 9.			AMOUNT
6. OPERATIONAL TEST AND EVALUATION COSTS (Estimate test and evaluation costs) N/A			AMOUNT
7. PRODUCTION COSTS (Include acquisition, kit proofing, spares, delivery, and documentation costs) N/A			AMOUNT
8. COMMUNICATIONS SERVICE/CIRCUITS COSTS (Include installation and recurring costs) N/A			AMOUNT
9. IMPLEMENTATION SUPPORT COSTS (Include travel, installation, and administrative costs) PRC, HP (Cost included in CLIN 018, CLIN 101, and CLIN 103)			AMOUNT
9A. LIFE CYCLE SUPPORT COSTS (Less communications service/circuits) NCF			AMOUNT
SUPPORTING INFORMATION AND SCHEDULES Provide detailed information needed to implement the requested change.			
10. DEVELOPMENT STATUS/SCHEDULE (Major milestones such as Start, Beta Test, and OT&E)		11. PRODUCTION STATUS/SCHEDULE (Major milestones such as Solicitation, Contract Start Date, Delivery Date, Kit Proofing, etc.)	
12. IMPLEMENTATION/RETROFIT SCHEDULE		13. FACILITY INFORMATION (Attach facility drawings/plans.)	
14. COMMUNICATIONS INSTALLED (Type required, who will order, and associated hardware required; attach Part B, Page 2, if needed.)		15. COMMUNICATIONS SERVICE/CIRCUITS TO BE REMOVED	
16. REQUIRED CLEARANCES, WAIVERS, AND LICENSES (Include person or organization responsible for obtaining each)		17. COORDINATION OF CHANGE WITH OTHER CHANGES	
18. PHYSICAL ITEMS AND DOCUMENTS AFFECTED (Include part, serial, and document numbers. Attach Part B, Page 2, if needed.)		19. STAFF RESOURCE IMPACTS (Skills and workload impact on maintainers, operators, and managers.)	
20. LOGISTICS IMPACTS (Include facilities, maintenance, training, and support equipment impacts.)		21. OPERATIONAL IMPACTS (Include continuity and back up needs and plans.)	
22. ADDITIONAL MAJOR CHANGE ACTIVITIES (Include who will accomplish each of them and staff hours required.) The solution has been tested on ADSM on 4/26/00.			

NWS CHANGE FORM PART B - PHYSICAL ITEM AND DOCUMENT IMPACT MATRIX SUPPLEMENT						1. ORIGINATOR TRACKING NUMBER PRC_A100064			
This information is required prior to publication of Engineering Modification Notes and Software Release Notes. List physical items to be replaced and specify any changes in related documentation. (Submitters should complete this information, if known. WSH will assist.)						2. WSH TRACKING NUMBER NWS 590			
3. ITEM NAME, CIRCUIT TYPE, SOFTWARE VERSION, OR SITE LOCATION	4. REMOVE REPLACE MODIFY	5. SUPERSEDED ITEM OR CONFIGURATION		6. SUPERSEDING PART NUMBER OR NEW CONFIGURATION	7. DOC TYPE	8. SUPERSEDED DOCUMENT		9. SUPERSEDING DOCUMENT	
		A. PART NUMBER OR CONFIGURATION	B. SERIAL NUMBER(S) OR COMMENTS			A. IDENTIFIER	B. REV	A. IDENTIFIER	B. REV
NCF						SSDD	4.2	SSDD	5.0
								SwDD	5.0
						NCF Documentation	4.2	NCF Documentation	5.0

NWS CHANGE FORM PART C		1. ORIGINATOR TRACKING NUMBER PRC_A100064	
WSH is responsible for Part C, but submitters may complete sections that would help clarify the change requirement or the necessary implementation actions.		2. WSH TRACKING NUMBER NWS 590	
3. CCB COST EVALUATION <div style="display: flex; justify-content: space-between;"> NWS COST \$ FAA COST \$ DOD COST \$ OTHER AGENCY COST \$ TOTAL COST \$ </div> <div style="text-align: center;">(SPECIFY)_____</div>			
4. IMPLEMENTATION DOCUMENTS REQUIRED <div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Engineering Modification Note <input type="checkbox"/> Software Release Notes <input type="checkbox"/> Other Document (Specify)_____ </div>			
ADDITIONAL IMPLEMENTATION INSTRUCTIONS (e.g., Implementation schedule, parts shipping instructions, equipment disposal procedures, additional documentation required, and status reporting instructions.) Include documentation, data input, notification vehicle, or specific action step required to verify completion of the implementation activity.			
5. IMPLEMENTATION ACTIVITY REQUIRED	6. REQUIRED COMPLETION DATE	7. RESPONSIBLE PERSON AND OFFICE	8. DOCUMENT OR ACTION REQUIRED TO VERIFY COMPLETION
1. SST notifies the field of changes to be done 2. PRC (Bruno Vercillo) installs the change through NCF 3. Ensure this change is reported to the Weather Service Headquarters (WSH) through the Engineering Management Reporting System (EMRS) according to the instructions in Engineering Handbook number 4, part 2. Record this RC number (NWS 590) in Block 17a of the EMRS report. 4. Ensure the appropriate WSH management information systems and configuration management data bases are updated to reflect these changes	30 May 00 1 June 00 15 July 00 1 August 00	Dick Thigpen/SST W/APO3 Dick Thigpen/SST W/APO3 ESA at each Site Michelle deTommaso W/OSO113	N/A

Attachment A: The installation and de-installation instructions

/var/opt/perf/parm

```
===== Begin installASDSparm script
=====

#!/bin/sh
#
# RC_PRC_02
# installASDSparm
# Install MeasureWare parameters to disable data collection to logproc file.
#
#
# Check to make sure the root user is running this script
#
USER=`whoami`
if [ "$USER" != "root" ]
then
    echo "This script can only be run as root."
    echo "Please change to the root user and re-run this script."
    exit 1
fi

#
# Check to make sure ds1 is primary
#
DSPRIMARY=`cmviewcl |grep dsswap|awk '{print $5}'`
DEVICE=`hostname`
SITE=`hostname | cut -d"." -f2`

if [ "ds1-${SITE}" != "$DSPRIMARY" -o "$DEVICE" != "ds1-${SITE}" ]
then
    echo "This script must be run from ds1-${SITE} while it is the primary
data server."
    echo "The Primary data server is now set to: $DSPRIMARY"
    echo "This device is: $DEVICE"
    exit
fi

#
# Check that current installed release is either R4.2.6 or R4.3 or R4.3.1
#
RELEASE_FILE=/awips/Release_ID
RELEASE_ID=`cat ${RELEASE_FILE}`

case $RELEASE_ID in
    4.2.6) ;;
    4.3) ;;
    4.3.1) ;;
    *) echo "ERROR - ** Installation has been ABORTED. No change has
been made to the site. **"
    echo "ERROR - ** Current installed release is NOT R4.2.6 or R4.3
```

```

or R4.3.1.      ***"
    echo "ERROR - ** You must be at one of these releases prior to
this installation.  ***"
    exit 1
    ;;
esac

#
# Source in AWIPs enviroment variables
#
. /etc/rc.config.d/AWIPS

#
# On AS1/AS2, save current version of /var/opt/perf/parm, then install new
"parm" file for perfview
#
for host in as1 as2
do
    echo "Saving current version of /var/opt/perf/parm file on $host..."
    remsh $host "cp -p /var/opt/perf/parm /var/opt/perf/parm.old"
    remsh $host "rm -f /var/opt/perf/parm.R423"

    echo "Installing new parm file into /var/opt/perf on $host..."
    rcp -p parm.as $host:/var/opt/perf/parm
    remsh $host "chmod 644 /var/opt/perf/parm"

    echo "Restarting mwa on $host..."
    remsh $host "/awips/ops/bin/restart_mwa 1&- 2&- &"
done

#
# On DS1/DS2, save current version of /var/opt/perf/parm, then install new
"parm" file for perfview
#
for host in ds1 ds2
do
    echo "Saving current version of /var/opt/perf/parm file on $host..."
    remsh $host "cp -p /var/opt/perf/parm /var/opt/perf/parm.old"

    echo "Installing new parm file into /var/opt/perf on $host..."
    rcp -p parm.ds $host:/var/opt/perf/parm
    remsh $host "chmod 644 /var/opt/perf/parm"

    echo "Restarting mwa on $host..."
    remsh $host "/awips/ops/bin/restart_mwa 1&- 2&- &"
done

#
# Update ds1:/awips/PatchLog as follows:
#   "RC_PRC_02 installed - Bruno J. Vercillo (703) 883-5175 - MM/DD/YY"
#
echo "Updating /awips/PatchLog on ds1..."
echo "RC_PRC_02 installed - Bruno J. Vercillo (703) 883-5175 - `date`"
/awips/PatchLog

```

```

echo ""
echo "`date`"
echo "*** Installation Complete ***"
echo ""

===== End installASDSparm script
=====

===== Begin deinstallASDSparm script
=====

#!/bin/sh
#
# RC_PRC_02
# deinstallASDSparm
# Deinstall MeasureWare parameters to disable data collection to logproc
file.
#

#
# Check to make sure the root user is running this script
#
USER=`whoami`
if [ "$USER" != "root" ]
then
    echo "This script can only be run as root."
    echo "Please change to the root user and re-run this script."
    exit 1
fi

#
# Check to make sure ds1 is primary
#
DSPRIMARY=`cmviewcl |grep dsswap|awk '{print $5}'`
DEVICE=`hostname`
SITE=`hostname | cut -d"-" -f2`

if [ "ds1-`${SITE}`" != "$DSPRIMARY" -o "$DEVICE" != "ds1-`${SITE}`" ]
then
    echo "This script must be run from ds1-`${SITE}` while it is the primary
data server."
    echo "The Primary data server is now set to: $DSPRIMARY"
    echo "This device is: $DEVICE"
    exit
fi

#
# Source in AWIPs enviroment variables
#
. /etc/rc.config.d/AWIPS

#
# On AS1/AS2, restore original version of /var/opt/perf/parm (i.e.,
parm.old)
#
for host in as1 as2 ds1 ds2

```

```
do
    echo "Restoring original version of /var/opt/perf/parm file on $host..."
    remsh $host "mv /var/opt/perf/parm.old /var/opt/perf/parm"
    remsh $host "chmod 644 /var/opt/perf/parm"

    echo "Restarting mwa on $host..."
    remsh $host "/awips/ops/bin/restart_mwa 1&- 2&- &"
done

#
# Update ds1:/awips/PatchLog as follows:
#   "RC_PRC_02 deinstalled - Bruno J. Vercillo (703) 883-5175 -
MM/DD/YY"
#
echo "Updating /awips/PatchLog on ds1..."
echo "RC_PRC_02 deinstalled - Bruno J. Vercillo (703) 883-5175 - `date`"
/awips/PatchLog
echo ""
echo "`date`"
echo "*** Installation Complete ***"
echo ""
===== End deinstallASDSparm script
```